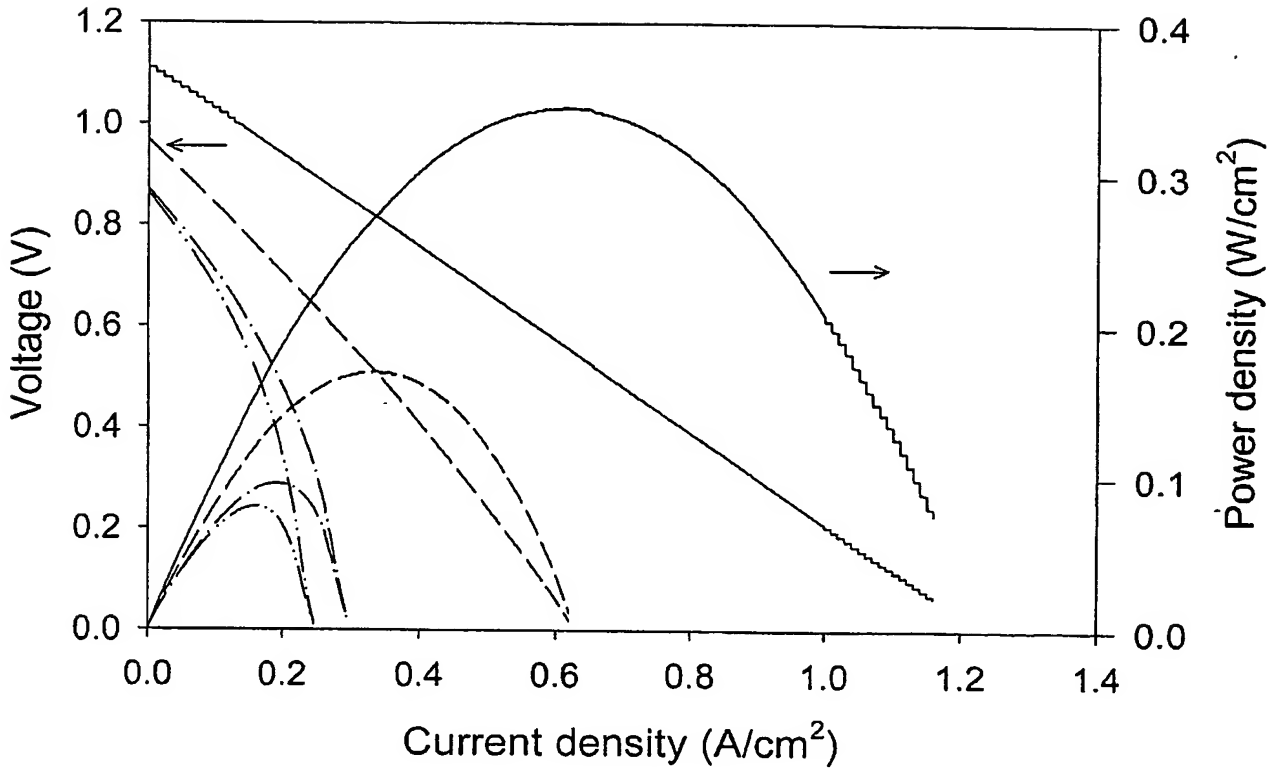


Power densities and current density-voltage relationships for an SOFC using the LSCM anode. The cell had a 0.2mm electrolyte, and data are shown for the following fuels, wet H_2 ; dash, wet 5% H_2 ;dash-dot wet CH_4 and dash-dot-dot CH_4 ,at 1173K.

Fig. 1

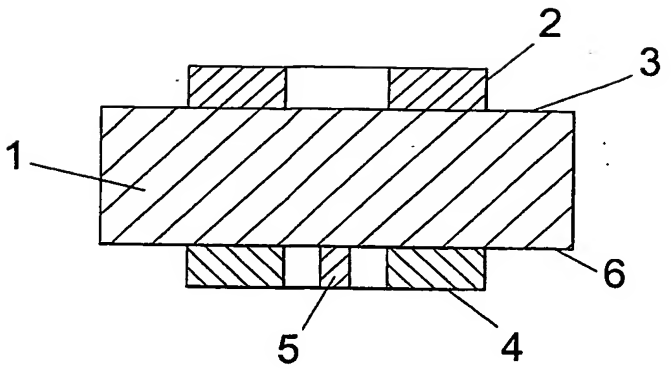


Fig. 2

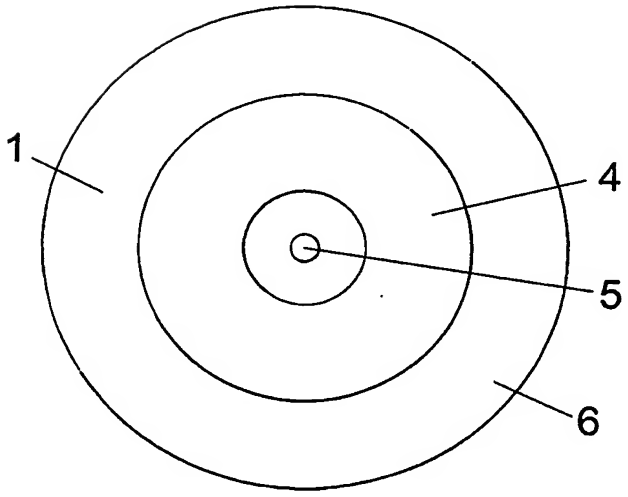
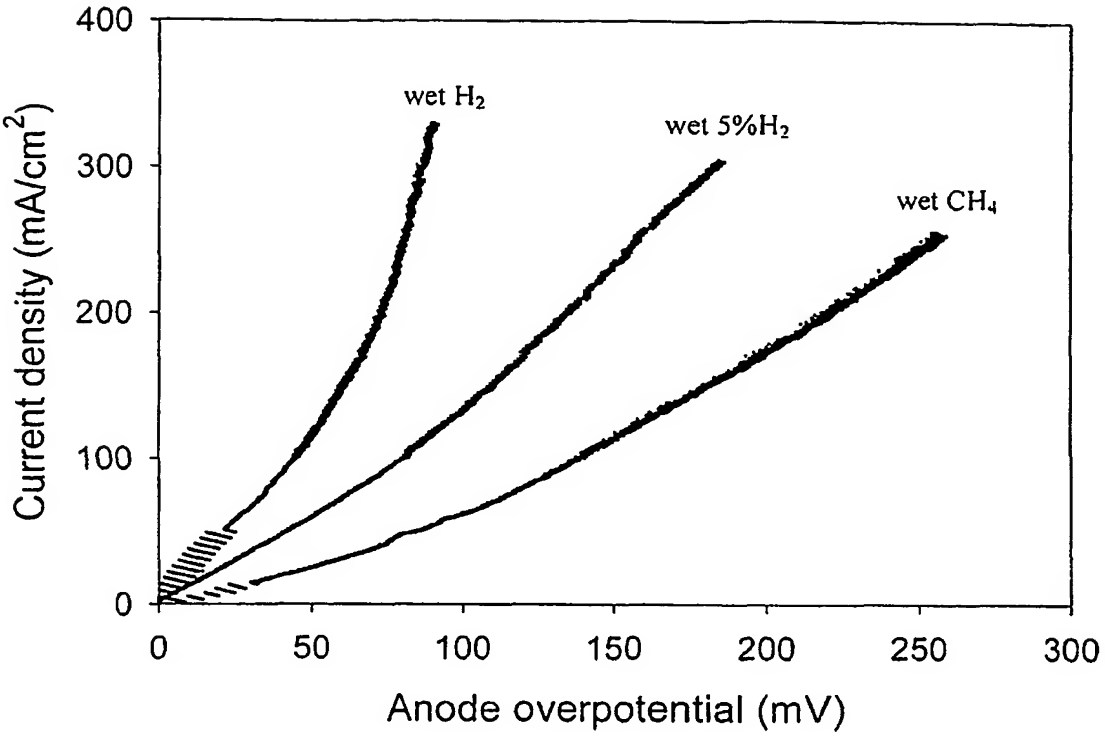
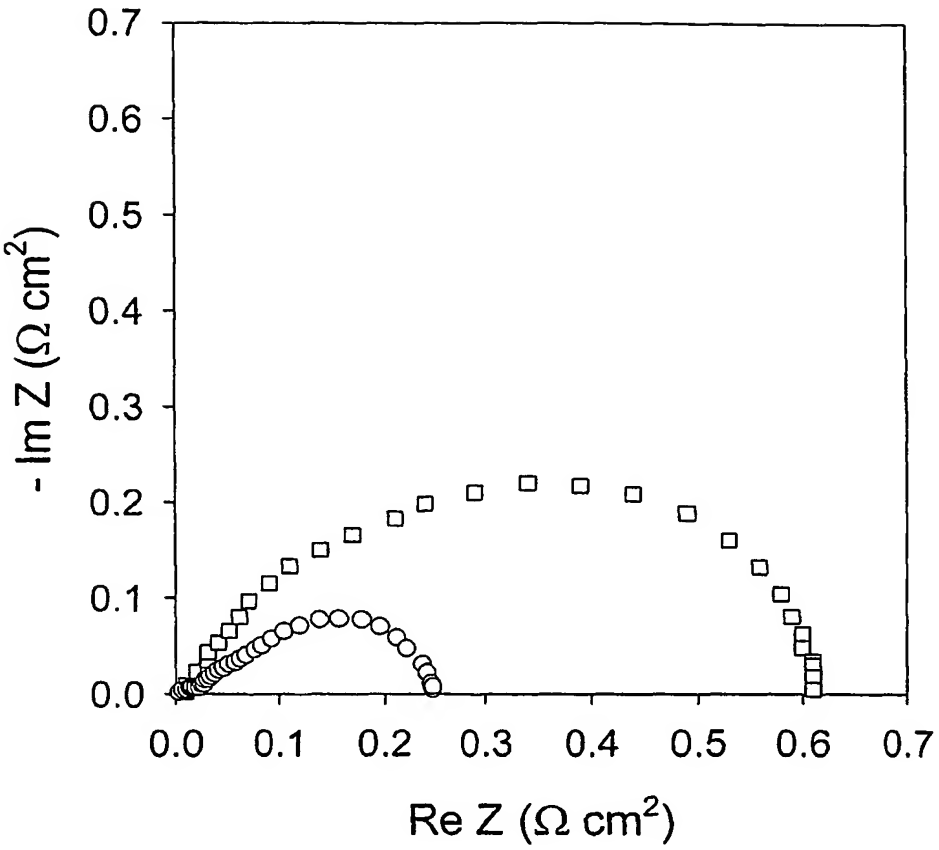


Fig. 2A



The anode overpotential at 925 C with different fuels using only $La_{0.75}Sr_{0.25}Cr_{0.5}Mn_{0.5}O_3$ as anode

Fig. 3



Comparison of electrode impedance spectra for LSCM/CGO anodes. Spectra were measured at 925 C in 4.9% H +2.3%H O+92.8%Ar (Y) and 97%H +3%H O (O). Three electrode configuration with LSCM/CGO as working electrode and Pt as counter and reference electrodes.

Fig. 4

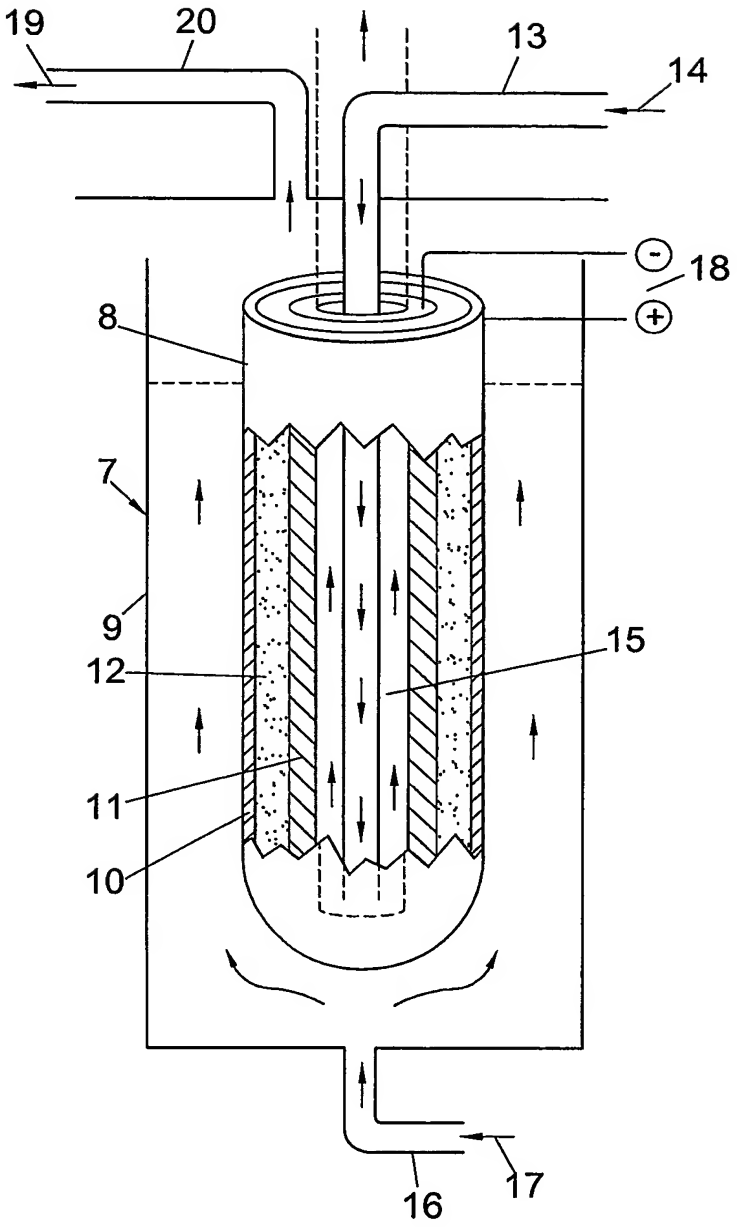


Fig. 5